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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/550,556	09/23/2005	Harald Groger	7601/84378	1889

66991 7590 09/09/2009  
LAW OFFICE OF MICHAEL A. SANZO, LLC  
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ROCKVILLE, MD 20855

EXAMINER
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KOSAR, AARON J

ART UNIT	PAPER NUMBER
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1651

MAIL DATE	DELIVERY MODE
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09/09/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

**Supplemental  
Notice of Allowability**

**Application No.**

10/550,556

**Examiner**

AARON J. KOSAR

**Applicant(s)**

GROGER ET AL.

**Art Unit**

1651

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to \_\_\_\_.
2. ☒ The allowed claim(s) is/are 57-68.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_.
- (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 20090901.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date ____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date ____     | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance             |
|  | 9. <input type="checkbox"/> Other ____.   |

***Supplemental Notice of Allowance***

This Supplemental Notice of Allowance is presented so as to add the following paragraph into the specification as required by 37 CFR 1.74 and 37 CFR 1.78 (b)(8).

Please refer to the previous Notice of Allowance including the Examiner's Amendment therein for all other information.

***Examiner's Amendment***

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Michael Sanzo on September 1, 2009.

**In the specification:**

The following heading and paragraph has been inserted after page 4, line 35:

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Brief Description of the Drawings

Figure 1: Figure 1 shows the results of measuring formate dehydrogenase (FDH) activity over time. Reactions are performed in water together with a variety of organic solvents.

Experiments are further described in Example 1.

Figure 2: Figure 2 shows the results of measuring FDH activity over time in reactions that are performed in water in the absence of organic solvent. Experiments are further described in Example 2.

Figure 3: Figure 3 shows the results obtained from the reaction of 2-chloroacetophenone (250 mM) in a coupled reaction system. Reactions are carried out in phosphate buffer in the absence of organic solvent. Experiments are further described in Example 3.

Figure 4: Figure 4 shows the results obtained from the reaction of 2-chloroacetophenone (400 mM) in a coupled reaction system. Reactions are carried out in phosphate buffer in the absence of organic solvent. Experiments are further described in Example 4.

Figure 5: Figure 5 shows the results obtained from the reaction of 4-chloroacetophenone (250 mM) in a coupled reaction system. Reactions are carried out in phosphate buffer in the absence of organic solvent. Experiments are further described in Example 5.

Figure 6: Figure 6 shows the results obtained from the reaction of 2,3'-dichloroacetophenone (300 mM) in a coupled reaction system. Reactions are carried out in phosphate buffer in the absence of organic solvent. Experiments are further described in Example 6.

Figure 7: Figure 7 shows the results obtained from the reaction of cinnamaldehyde (100 mM) in a coupled reaction system. Reactions are carried out in phosphate buffer in the absence of organic solvent. Experiments are further described in Example 7.

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On page 15 at lines 2, 3, 8, and 10; and on page 17 at lines 4 and 7, the term "2',3-dichloroacetophenone" has been omitted and replaced with -- 2,3'-dichloroacetophenone -- in each instance.

**In the drawings:**

The term "2',3-dichloroacetophenone" in figure 6 has been omitted and replaced by the term -- 2,3'-dichloroacetophenone --.

Claims 57-68 are allowed.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AARON J. KOSAR whose telephone number is (571)270-3054. The examiner can normally be reached on Monday-Thursday, 7:30AM-5:00PM, ALT. Friday,EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mike Wityshyn can be reached on (571) 272-0926. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Aaron J Kosar/  
Examiner, Art Unit 1651

/Christopher R. Tate/  
Primary Examiner, Art Unit 1655

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